

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/026,065	12/19/2001	Narayan Srinivasa	1044-401-01	8570
20583	7590	08/24/2004	EXAMINER	
JONES DAY 222 EAST 41ST ST NEW YORK, NY 10017			PARDO, THUY N	
			ART UNIT	PAPER NUMBER
			2175	
DATE MAILED: 08/24/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/026,065	Applicant(s) SRINIVASA ET AL.	
	Examiner Thuy Pardo	Art Unit 2175	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 December 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-268 is/are pending in the application.
- 4a) Of the above claim(s) 265-268 is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-42, 85-126, 169-210 and 253-264 is/are allowed.
- 6) ☒ Claim(s) 43, 127 and 211 is/are rejected.
- 7) ☒ Claim(s) 44-84, 128-168 and 212-252 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 19 December 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input checked="" type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>12/19/2001</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Applicant's Application filed on December 19, 2001 has been reviewed.
2. Claims 1-268 are presented for examination.

Election/Restriction

Restriction to one of the following inventions is required under 35 U.S.C. 121:

Group I: Claims 1-264, drawn to a method and apparatus for electronically extracting multidimensional application specific information from a library of source documents, classified in Class 707, subclass 3.

Group II: Claims 265-268, drawn to a co-occurrence model detector for detecting the occurrence of dimension specific key word, classified in Class 707, subclass 102.

The inventions are distinct from each other because of the following reasons:

a. These inventions have acquired a separate status in the art as shown by the different classification.

b. The search required for one group is not required for the other group. In the instant case, the invention in Group I has required a search classified in Class 707, subclasses 3, and the invention in Group II has required a search classified in Class 707, subclass 102. These inventions have acquired a separate status in the art as shown by the different classification and the search required for one group is not required for the other group. For the reasons above restriction for examination purposes as indicated is proper.

Art Unit: 2175

During a telephone conversation with Mr. Richard Ballard on August 17, 2004, a provisional election was made without traverse to prosecute the invention of Group I, claims 1-264. Affirmation of this election must be made by applicant in responding to this Office action. Claims 266-268 are withdrawn from further consideration by the Examiner, 37 C.F.R. § 1.142(b), as being drawn to a non-elected invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 C.F.R. § 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a diligently-filed petition under 37 C.F.R. § 1.48(b) and by the fee required under 37 C.F.R. § 1.17(h).

Abstract

Applicant is reminded that the abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. In this case, the abstract exceeds 150 words in length. Correction is required.

Claim Rejections - 35 USC § 102

Art Unit: 2175

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 43, 127, and 211 are rejected under 35 U.S.C. 102(b) as being as being anticipated by Deerwester et al. (Hereinafter “Deerwester”) US Patent No. 4,839,853.

As to claim 43, Deerwester teaches the invention substantially as claimed, comprising:

an event information extractor [inherent in the retrieval system, ab] adapted to extract occurrences of prospective representations of the time, location, and event identity from the member documents [see fig. 1; output matching results of three dimensional factors, table 6 of col. 10], and to extract occurrences of non-prospective event related information from the member documents [see tables 2-4 of col. 3-5].

As to claims 127 and 211, all limitations of these claims have been addressed in the analysis above, and these claims are rejected on that basis.

Allowable Subject Matter

Claims 44, 45, 49, 128, 129, 133, 145, 157, 212, 213, and 217 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in

Art Unit: 2175

independent form including all of the limitations of the base claim and any intervening claims.

As to claims 44, 128, and 212, the feature of an encoder adapted to encode the occurrences of prospective representations of times, location and event identity information and non-prospective event related information contained in member documents according to a time, location and event identity specific coded representation of each of the occurrences of the time, location and event identity information and a coded representation of non-prospective event related information, taken together with other limitations of claims 43, 127, or 211 was not disclosed by the prior art of record.

As to claims 45, 129, and 213, the feature of a member document identifier adapted to determine whether a member document contains coded formatting, and if not, whether the member document is a dense document, and if not, for rejecting the document from further processing, taken together with other limitations of claims 43, 127, or 211 was not disclosed by the prior art of record.

As to claims 49, 133, and 217, the feature that a scheduled event means for verifying the extraction of scheduled event information from the member documents, taken together with other limitations of claims 43, 127, or 211 was not disclosed by the prior art of record.

As to claim 145, the feature of a comparing means for comparing occurrences of time, location or event identity information from more than one member document and

Art Unit: 2175

increasing the confidence level of the accuracy of the scheduled event information, taken together with other limitations of claim 127 was not disclosed by the prior art of record.

As to claim 157, the feature that the comparing means further comprises means for comparing occurrences of incomplete elements of respective dimensions of the scheduled event information, taken together with other limitations of claim 127 was not disclosed by the prior art of record.

Claims 46-48, 50-84, 130-132, 134-144, 146-156, 158-168, 214-216, and 218-252 being further limiting to claims 44, 45, 49, 128, 129, 133, 145, 157, 212, 213, and 217 are also objected to.

Claims 1-42, 85-126, 169-210, and 253-265 are allowed over the prior art of record.

The prior art of record fails to teach or suggest individually or in combination extracting occurrences of prospective representations of dimensions of application specific multidimensional information from the member documents, and extracting occurrences of non-application specific multidimensional information from the member documents as set forth in independent claims 1, 85, 169, and 253-264.

Dependent claims 2-42, 86-126, 170-210 being further limiting to the independent claims 1, 85, and 169 respectively are also allowed.

Art Unit: 2175

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thuy Pardo, whose telephone number is (703) 305-1091. The examiner can normally be reached Monday through Thursday from 8:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici, can be reached at (703) 305-3830.

The fax phone number for the organization where this application or proceeding is assigned are as follows: (703) 872-9306 (Official Communication)

and/or:

(703) 746-5616 (*Use this Fax#, only after approval by Examiner, for "INFORMAL" or "Draft" communication. Examiner may request that a formal/amendment be faxed directly to them on occasions*).

Any inquiry of a general nature of relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3900.

5. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

or faxed to:

Art Unit: 2175

(703) 308-9051, (for formal communications intended for entry)

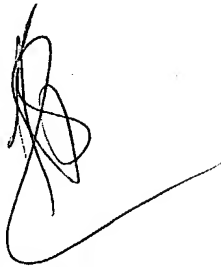
Or:

(703) 308-5359, (for informal or draft communications, please
label "PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2121

Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

August 19, 2004

A handwritten signature in black ink, consisting of a series of loops and a long horizontal stroke extending to the right.

**THUY N. PARDO
PRIMARY EXAMINER**